

Preview Solution CBR-2443-4

Trailer Tandem Adjustment Procedure - VN (4) - PR (4) - AN (4)

Published 27 January 2026

Valid For

Volvo Chassis - VN(4)
Mack Chassis - PR (4), AN (4)
Model Year 2024 to current

1.0 Overview

The truck's trailer detection system accomplishes detection via a brief pulse of compressed air through the red trailer supply line when the brake pedal is pressed. The system analyzes this pulse to determine whether or not the glad hand is connected to a trailer. This pulse of air has been determined to inadvertently re-lock air actuated tandem slide systems. The following procedure provides a means of navigating around the issues that the trailer detection system causes while attempting to slide the trailer tandems.

2.0 Procedure (Preferred Method) NOTE: Unit has to be updated to the latest service pack (5.1 for Volvo or 2.1 for MACK)

Activation

- 2.1 Ensure trailer has been charged with air.
- 2.2 Ensure the red LED is illuminated on the Trailer Hand Control Unit (HCU).
- 2.3 Pull the Trailer HCU for 2 seconds.
- 2.4 A popup on the dash will indicate you can slide the trailer tandems.

	Trailer Park Brake Status	User HCU Input	IC Behavior	Sound	Telltale Behavior
Activation					
	Trailer Air Exhausted - LED lit	Driver pulls HCU for 2 seconds	Popup indicating mode is now active and deactivation method	"White popup" Sound	<ul style="list-style-type: none"> Trailer Park Brake telltale remains lit whenever PB is set Trailer Axle Slide Mode unique telltale remains active until deactivation

Deactivation

- 2.1 Ensure the red LED is lit on the Trailer HCU.
- 2.2 Pull the Trailer HCU out.
- 2.3 A popup on the dash will say Trailer air supply re-enabled.



Deactivation					 Trailer Park Brake telltale remains lit whenever PB is set
	Trailer Air Exhausted - LED lit	Driver single pull on HCU	Toast message notifying mode has been deactivated	"White Toast" Sound	

NOTE: If the system is active and you try to release trailer brakes, the system will provide a popup message to deactivate the system.

Inflation attempt while active					<ul style="list-style-type: none"> Trailer Park Brake telltale remains lit whenever PB is set Trailer Tandem Slide Mode unique telltale remains active until deactivation
	Trailer Air Exhausted - LED lit	Driver single push on HCU	Popup indicating mode is now active and deactivation method	"White popup" Sound	

3.0 Procedure (Alternative Method)

- 3.1 Connect to the trailer
- 3.2 Charge the trailer air system (Press the RED trailer brake button)
- 3.3 Once the trailer is fully charged and the air pressures stabilized, set all parking brakes
- 3.4 Exit the vehicle and remove the red glad-hand
- 3.5 Activate the trailer tandem slide (unlock)
- 3.6 Enter the truck, release the tractor brakes, and slide the trailer/set tandem position
- 3.7 Exit the truck and lock trailer tandem slide system
- 3.8 Reconnect the red glad-hand
- 3.9 Enter the truck, release all brakes, and continue route/task

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